Supplementary Table 1 Association between TyG index and progression of NAFLD in ordered logistic regression models
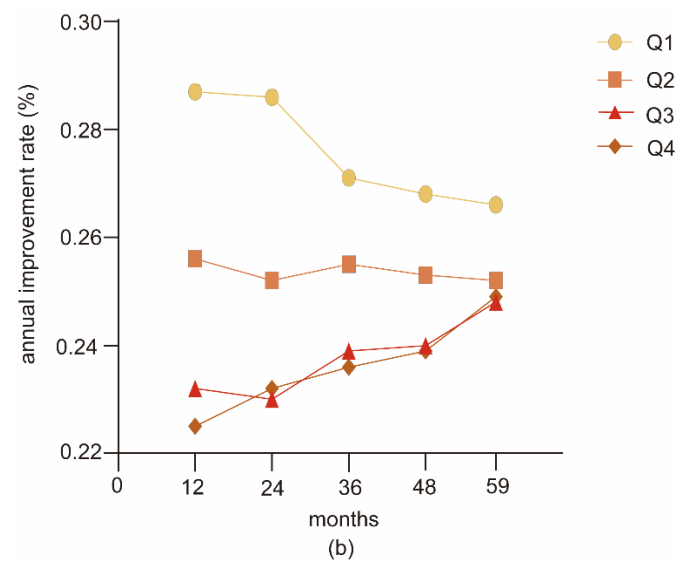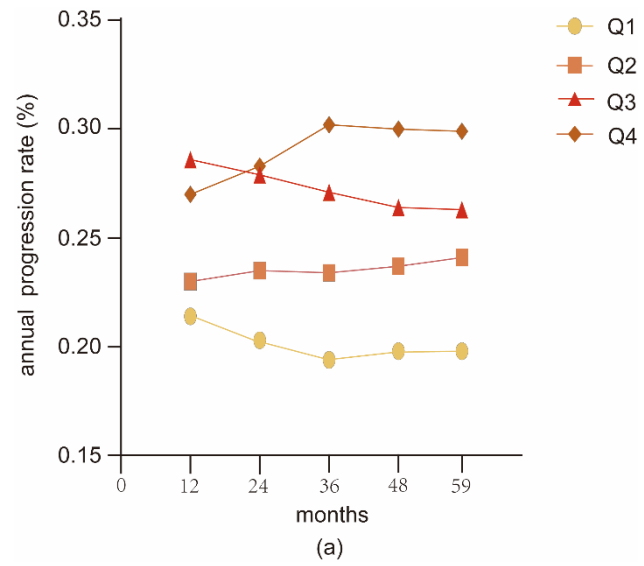
	Unadjusted		Model 1		Model 2		Model 3	
	OR	P	OR	P	OR	P	OR	P
Quartile 1	1(Ref)		1(Ref)		1(Ref)		1(Ref)	
Quartile 2	1.151（1.008,1.315）	0.038	1.138（0.996,1.301）	0.057	1.155（1.002,1.332）	0.047	1.151（0.998,1.328）	0.053
Quartile 3	1.268（1.112,1.446）	<0.001	1.272（1.115,1.450）	<0.001	1.347（1.171,1.548）	<0.001	1.345（1.169,1.547）	<0.001
Quartile 4	1.472（1.294,1.675）	<0.001	1.458（1.282,1.659）	<0.001	1.522（1.327,1.745）	<0.001	1.519（1.325,1.743）	<0.001

Model 1: Adjusted for sex, age; Model 2: Adjusted for sex, age, SBP, DBP, BMI, HDL, LDL, FPG, TG, ALT, Scr; Model 3: Adjusted for sex, age, SBP, DBP, BMI, HDL, LDL, FPG, TG, ALT, Scr, diet, smoking, alcohol consumption and physical activity.

Supplementary Table 2 Association between TyG index and improvement of NAFLD in ordered logistic regression models

	Unadjusted		Model 1		Model 2		Model 3	
	OR	*P*	OR	*P*	OR	*P*	OR	*P*
Quartile 1	1(Ref)		1(Ref)		1(Ref)		1(Ref)	
Quartile 2	0.874（0.787,0.970）	0.012	0.879（0.791,0.976）	0.016	0.874（0.782,0.978）	0.018	0.879（0.786,0.983）	0.024
Quartile 3	0.817（0.735,0.907）	＜0.001	0.820（0.738,0.911）	＜0.001	0.808（0.722,0.904）	＜0.001	0.814（0.728,0.911）	＜0.001
Quartile 4	0.797（0.718,0.885）	＜0.001	0.802（0.722,0.890）	＜0.001	0.787（0.704,0.880）	＜0.001	0.790（0.707,0.884）	＜0.001

Model 1: Adjusted for sex, age; Model 2: Adjusted for sex, age, SBP, DBP, BMI, HDL, LDL, FPG, TG, ALT, Scr; Model 3: Adjusted for sex, age, SBP, DBP, BMI, HDL, LDL, FPG, TG, ALT, Scr, diet, smoking, alcohol consumption and physical activity.

Supplementary Figure 1 Trends of the outcomes of NAFLD against time. **(a).** The annual progression rate over time. **(b).** The annual improvement rate over time.